



WINTER 2002

◆ In The News

NEWS FROM THE CITY OF SALISBURY ◆ NORTH CAROLINA COMMUNITY

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GIS DIVISION NEWS

Salisbury GIS Division Introduces *GIS In the News*

By Kathryn Clifton
City of Salisbury GIS Coordinator

Welcome to the first issue of *GIS In the News*, a publication of the City of Salisbury GIS Division. It is my hope that this and future issues of *GIS In the News* will meet the needs of those with an interest in Geographic Information Systems (GIS) throughout the Salisbury area.

The goal for *GIS In the News* is to address the variety of interests, projects, and questions that exist within the Salisbury GIS community. With a diversified GIS, it can often be difficult to see the "big picture" of the enterprise GIS and its progression. It is my hope that this newsletter will serve to highlight accomplishments and ongoing projects and keep everyone better informed.

If you are new to GIS, or would like to learn more about just what GIS is, this newsletter will offer an opportunity to learn about the basics of GIS and its implementation. If you are already a GIS user, this newsletter will provide you with insights and applications of this technology. If you have an experience you would like to share with others, a submission to *GIS In the News* would be appreciated.

Tremendous opportunities exist for a cooperative enterprise GIS here at the City of Salisbury, and I will be active in promoting its use. ◆

PROJECT SPOTLIGHT

City Centerline Prepped for ArcInfo Conversion

By Patrick Ritchie
City of Salisbury Staff Engineer

As a result of the Visioning Process for the GIS Master Plan, the city street centerline, currently maintained by the Engineering Division is being prepped for a conversion to ArcInfo 8.1.

Originally the street centerline file was developed for use with the Powell Bill submittal and was one of the highest priority goals for the Engineering Division. This goal was achieved using ArcCAD and both the Powell Bill map and the associated report have been produced directly

See **Centerline**, Page 2

VISIONING UPDATE

Master Plan Completed; Priorities Being Identified

By Kathryn Clifton
City of Salisbury GIS Coordinator

The first GIS Master Plan was reviewed during the December 2001 GIS Users Group Meeting. Input received from this meeting was incorporated into the final Master Plan document.

With the final revisions to the plan completed, attention was then turned to the prioritizations of the sixty-five goals identified. A questionnaire was drawn up to aide in the completion of priorities. Many staff participated in this process, and the input from it has

See **Visioning**, Page 2

... Visioning

been valuable in drafting a prioritization and implementation schedule. However, all departments/divisions have not submitted the prioritization of their goals as of this printing.

The GIS Master Plan and its accompanying prioritization of goals will be made available on the Internet upon completion.

Thank you to all who participated in the Visioning Process. I hope that the plan we have produced will prove to be a useful guide in the months and years to come.



Prioritizing projects can be the hardest part of the planning process.

... Centerline

from the GIS system for the past three years.

Information in the Powell Bill map has been maintained in AutoCAD using the ArcCAD extension for database connectivity. With the retirement of the ArcCAD product by ESRI, it has become apparent that an alternative method of updating the information will soon become necessary. AutoCAD Land Development Desktop 3 will support the maintenance of this data, however; the GIS Coordinator has taken this opportunity to recommend conversion of the database to ArcInfo 8.1.

Other City departments as well as Rowan County have expressed an interest in adding and populating fields within the street centerline database. Block ranges for use with address matching are of primary interest to many of the users. Many fields, including information as shown below (Block Ranges!!) have been added and populating them is the next step.

If you would like a complete listing of the current fields in the street centerline database, or if you have questions about its use in your application of GIS, please contact Kathryn Clifton, GIS Coordinator. ♦

STREET INFORMATION FOR THE CITY OF SALISBURY					
NAME:	RUGBY		RD	2 -WAY	SEGMENT: 22
FROM:	CUL-DE-SAC		TO:	POLO DR	
NUMBER OF LANES:	<input type="text" value="2"/>	MAINTAINED BY:	<input type="text" value="CITY"/>	PAVEMENT WIDTH:	<input type="text" value="22.00"/>
SPEED LIMIT:	<input type="text" value="35"/>	SURFACE TYPE:	<input type="text" value="I-2"/>	RIGHT OF WAY WIDTH:	<input type="text" value="50.00"/>
TRAVEL TIME:	<input type="text" value="0.29"/>	DATE ENTERED:	<input type="text" value="06/29/01"/>		
THOROUGHFARE:	<input type="text"/>	TRUCK ROUTE:	<input type="text"/>	LENGTH IN FEET:	<input type="text" value="1415.64"/>
SCHOOL ZONE:	<input type="text"/>	24 HR. TUBE CT:	<input type="text" value="0"/>	LENGTH IN MILES:	<input type="text" value="0.27"/>
TRAFFIC FACTOR:	<input type="text" value="1"/>	DATE OF COUNT:	<input type="text"/>	INSIDE CITY LIMITS?	<input type="text" value="YES"/>
IMAGE:	<input type="text"/>	DATE RESURFACED:	<input type="text"/>	AVG.DAILY TRAFFIC:	<input type="text"/>
LEFT SIDE			RIGHT SIDE		
ADDRESS RANGE:	<input type="text" value="101"/>	TO	<input type="text" value="199"/>	<input type="text" value="100"/>	TO <input type="text" value="198"/>
CURBING:	<input type="text" value="VALLEY"/>		<input type="text" value="VALLEY"/>		
PARKING:	<input type="text"/>		<input type="text"/>		
SIDEWALK:	<input type="text" value="NONE"/>		<input type="text" value="NONE"/>		
STREETLIGHTS:	<input type="text" value="100W NEMA, WOOD POLES"/>				

Sample screenshot of existing street information database layout.

COUNTY CORNER

Rowan County Data Development Continues

By Adrian Rollans
Rowan County GIS Coordinator

The Rowan County GIS Division currently has two major projects underway—the development of a county-wide cadastral data layer and the acquisition of new orthophotography.

The cadastral (parcel) data layer was initiated with Analytical Surveys Incorporated (ASI) of Denver, Colorado in the fall of 1999. At that time, Rowan County was divided into four major areas:

Area 1 China Grove, Faith, Kannapolis, and Landis

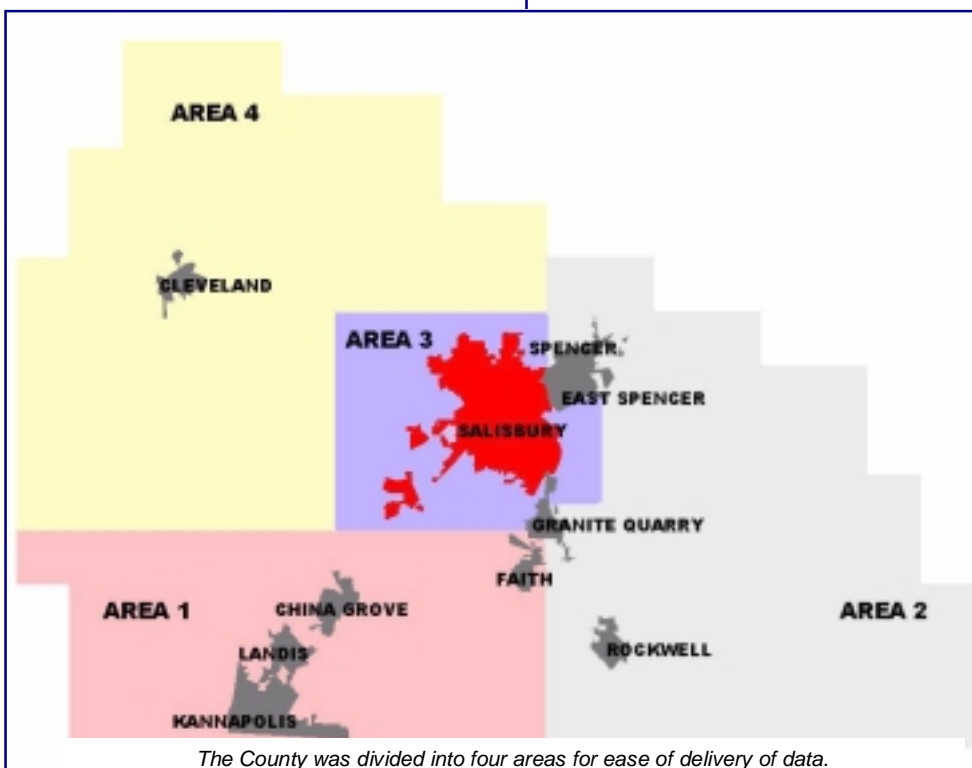
Area 2 Granite Quarry and Rockwell

Area 3 East Spencer, Salisbury, and Spencer

Area 4 Cleveland and Woodleaf

Area 1 has been delivered to Rowan County staff. Changes occurring between now and the completion of the project are being updated by the contractor. Areas 2 and 3 are currently in progress. Area 4 has not yet been started, but should be relatively simple to complete as it consists of a mere eight to ten thousand parcels.

County staff is really looking forward to getting this project wrapped up. It will be a wonderful asset to the Tax Assessor's office, the Planning Department, and a number of other departments. Upon the completion of the contract with ASI, the County will accept the data as the legal tax maps. Existing paper maps will become historical documents. The County hopes to make this new parcel data available on the internet for browsing as well as for downloading. ♦



The County was divided into four areas for ease of delivery of data.

USER INSIGHT

Comments &
Suggestions
Welcome



Your comments and suggestions for *GIS In the News* would be greatly appreciated. Also, if you have a question about GIS, its uses, software, etc. please submit them as well.

Just send an e-mail to Kathryn Clifton with the subject "GIS In the News". ♦

MORE GIS DIVISION NEWS

City Staff Named Data Stewards

By Kathryn Clifton
City of Salisbury GIS Coordinator

Recently, five City staff were named GIS Data Stewards. Data Stewards will act as a primary contact person for GIS within their department/division. Other responsibilities include

- developing, maintaining, and sharing GIS data
- working cooperatively with the GIS Coordinator to document and index GIS data using FGDC standards

- notifying City staff of GIS data availability and updates
- and providing timely and thorough input to the Annual GIS Visioning process.

The new GIS Data Stewards are

Jackie Grunden, Utilities Department
Patrick Kennerly, Planning Division
Tom Lowe, Police Department
Marshall Moore, Fire Department
Patrick Ritchie, Engineering Division.

If you would like to be officially recognized as the Data Steward for your department/division, contact Kathryn Clifton. ♦

TRAINING OPPORTUNITIES

ArcView 3.2

Training is available for the desktop application ArcView 3.2. Class size is limited to ten students.

The instructor must have at least two weeks' notice prior to the date you would like to receive training so that adequate manuals, etc. can be ordered.

Two classes will be held prior to April 5, 2002.

ArcView 8.1 (ArcGIS)

Training will be available for the new ArcGIS product upon completion of the ESRI Authorized Trainer exam by instructor Kathryn Clifton. Classes are expected to be available in late April.

Contact Kathryn Clifton if you are interested in training for ArcView 3.2 or ArcView 8.1 (ArcGIS). ♦

PROJECT UPDATE

Rowan County Orthophotography Project Underway

By Adrian Rollans
Rowan County GIS Coordinator

Rowan County Commissioners and Salisbury City Council recently approved a major orthophotography project the week of February 4, 2002. The County portion of the project amounted to over \$300,000 dollars; the City Engineering and Utilities portion accounted for only \$46,000.

A contract was awarded to Aero-Dynamics, Corporation of Charlotte, NC to replace orthophotography flown for Rowan County in 1994. Flights are scheduled for February and March of 2002, an optimum time for the collection of leaf-off data. Complete delivery of orthophotography is expected one year from the initiation of the project.

The County will receive orthophotography in three different scales. The entire County will be available at 1 inch = 400 feet. Selected areas will be available at 1 inch = 200 feet. All municipal limits will be available at 1 inch = 100 feet. The City of Salisbury will receive enhanced orthophotography within the ETJ and along corridors where water lines exist or plan to be built. All orthophotography will be done at a very high resolution—double the quality of that flown in 1994.

The County anticipates making this new orthophotography available on the internet for browsing as well as for downloading. As in the past, CDs of this information will be available for purchase. Contact Adrian Rollans for more information about this project.

PHONE 704-638-3131 EMAIL rollansa@co.rowan.nc.us ♦

GIS MEETING & CONFERENCE CALENDAR

GIS Users Group Meeting

- February 21, 2002 9AM
- April 18, 2002 12NOON
- June 20, 2002 9AM

GIS Users Group Meetings are held bi-monthly at City Hall, 217 South Main Street, in the Council Chambers. Meetings alternate between morning and afternoon.

CADre (<http://www.cadresys.com>)

5701 Westpark Drive Suite 110 Charlotte, NC 28217

- September 27, 2002 "Lunch & Learn" Session

ESRI Southeastern Regional Users Group

SERUG (<http://www.gis-services.com/SERUG/index.html>)

- Dates to be announced, Chattanooga, TN

ESRI (<http://www.esri.com>)

Charlotte Office Open House

3325 Springbank Lane Suite 200 Charlotte, NC 28226

- March 15, 2002 8:30AM-5PM

Geospatial Information & Technology Association

GITA (<http://www.gita.org>)

- March 17-20, 2002 Tampa, FL

GIS Day 2002

(see <http://www.esri.com/gisday>)

- November 20, 2002

Urban & Regional Information Systems Association

(URISA) Fall Conference (<http://www.urisa.org/>)

- October 26-30, 2002 Chicago, IL

If you know of an upcoming event that may be of interest to other AutoCAD and GIS users, please e-mail Kathryn Clifton with the location, date, and other details. ♦

City of Salisbury

GIS DIVISION

217 South Main Street
Salisbury, NC 28144

Kathryn Clifton, GIS Coordinator

PH 704-638-5246

FX 704-638-8522

EM katclif@salisburync.org